

(corresponding to from pages 64 to 70 of the English
translation of the PCT Application as filed)

CLAIMS

1. (Cancelled)

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2. (Amended) A method of converting code
which converts first codes based on a first
system to second codes based on a second system,
comprising:

10 obtaining data of first linear
prediction coefficients from said first codes;

obtaining data of first excitation
signal from said first codes;

15 storing said data of first linear
prediction coefficients;

storing said data of first excitation
signal;

calculating data of first linear
prediction coefficients from past data of first
20 linear prediction coefficients which are stored;

calculating data of first excitation
signal from past data of first excitation signal
which are stored;

25 obtaining data of second linear
prediction coefficients from said data of first
linear prediction coefficients; and

obtaining data of second excitation

signal from said data of first excitation signal,
wherein when said first codes are
unavailable, said second codes are obtained by
directly using speech parameters which are ever
5 decoded in accordance with said first system and
are stored.

3. The method of converting code according
to claim 2, comprising:

10 generating a first speech signal by
driving a filter having any of first linear
prediction coefficients derived from said data
of first linear prediction coefficients and
second linear prediction coefficients derived
15 from said data of second linear prediction
coefficients by using a first excitation signal
derived from said data of first excitation
signal; and

obtaining data of second excitation
20 signal from said first speech signal and any of
said first linear prediction coefficients and
said second linear prediction coefficients.

4. The method of converting code according
25 to claim 2 or 3,

wherein said data of excitation signal
includes any of an adaptive codebook data, a

fixed codebook data and a gain data.

5. (Cancelled)

5 6. (Amended) A code conversion apparatus,
which converts first codes based on a first
system to second codes based on a second system,
comprising:

10 a linear prediction coefficients data
decoding circuit configured to obtain data of
first linear prediction coefficients from said
first codes;

15 an excitation signal data decoding
circuit configured to obtain data of first
excitation signal from said first codes;

a linear prediction coefficients data
storage circuit configured to store said data of
first linear prediction coefficients;

20 an excitation signal data storage
circuit configured to store said data of first
excitation signal;

25 a linear prediction coefficients data
calculating circuit configured to calculate data
of first linear prediction coefficients from
past data of first linear prediction
coefficients which are stored;

an excitation signal data calculating

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circuit configured to calculate data of first excitation signal from past data of first excitation signal which are stored;

5 encoding circuit configured to obtain data of second linear prediction coefficients from said data of first linear prediction coefficients; and

an excitation signal data generating
10 circuit configured to obtain data of second excitation signal from said data of first excitation signal,

wherein when said first codes are unavailable, said second codes are obtained by
15 directly using speech parameters which are ever decoded in accordance with said first system and are stored.

7. The code conversion apparatus according
20 to claim 6, comprising:

a partial decoding circuit configured to generate a first speech signal by driving a filter having any of first linear prediction coefficients derived from said data of first
25 linear prediction coefficients and second linear prediction coefficients derived from said data of second linear prediction coefficients by

using a first excitation signal derived from
said data of first excitation signal; and
an excitation signal data generating
circuit configured to obtain data of second
5 excitation signal from said first speech signal
and any of said first linear prediction
coefficients and said second linear prediction
coefficients.

10 8. The code conversion apparatus according
to claim 6 or 7,

wherein said data of excitation signal
includes any of an adaptive codebook data, a
fixed codebook data and a gain data.

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9. (Cancelled)

10. (Amended) A program that causes a
computer to perform processes, said computer
20 serving as a code conversion apparatus which
converts first codes based on a first system to
second codes based on a second system,

said processes comprising:

25 a process of obtaining data of first
linear prediction coefficients from said first
codes;

a process of obtaining data of first

excitation signal from said first codes;

 a process of storing said data of first linear prediction coefficients;

 a process of storing said data of first

5 excitation signal;

 a process of calculating data of first linear prediction coefficients from past data of first linear prediction coefficients which are stored;

10 a process of calculating data of first excitation signal from past data of first excitation signal which are stored;

 a process of obtaining data of second linear prediction coefficients from said data of

15 first linear prediction coefficients; and

 a process of obtaining data of second excitation signal from said data of first excitation signal,

 wherein when said first codes are

20 unavailable, said second codes are obtained by directly using speech parameters which are ever decoded in accordance with said first system and are stored.

25 11. (Amended) The program according to claim 10,

 wherein said processes comprising:

a process of generating a first speech signal by driving a filter having any of first linear prediction coefficients derived from said data of first linear prediction coefficients and 5 second linear prediction coefficients derived from said data of second linear prediction coefficients by using a first excitation signal derived from said data of first excitation signal; and

10 a process of obtaining data of second excitation signal from said first speech signal and any of said first linear prediction coefficients and said second linear prediction coefficients.

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12. (Amended) The program according to claim 10 or 11,

wherein said data of excitation signal includes any of an adaptive codebook data, a 20 fixed codebook data and a gain data.

13. (Amended) A recording medium storing the program according to any of claims 10 to 12.